



**US Army Corps
of Engineers®**

Nashville District

Public Notice

Public Notice No. 04-50

Date: August 11, 2004

Application No. 200401207

Please address all comments to:
Nashville District Corps of Engineers, Regulatory Branch
3701 Bell Road, Nashville, TN 37214

JOINT PUBLIC NOTICE
US ARMY CORPS OF ENGINEERS
AND
STATE OF TENNESSEE

SUBJECT: Proposed Intermittent Stream Relocation in Association with a Bridge Replacement, at an Unnamed Tributary to Laurel Creek Mile 6.6, Opposite Rocky River Mile 7.5, Van Buren County, Tennessee

TO ALL CONCERNED: The application described below has been submitted for a Department of the Army Permit pursuant to **Section 404 of the Clean Water Act (33 U.S.C. 1344)**. Before a permit can be issued, certification must be provided by the State of Tennessee, Division of Water Pollution Control, pursuant to Section 401(a)(1) of the CWA, that applicable water quality standards will not be violated. By copy of this notice, the applicant hereby applies for the required certification.

APPLICANT: Tennessee Department of Transportation
Suite 900, J.K. Polk Building
505 Deaderick Street
Nashville, Tennessee 37243-0334

LOCATION: Unnamed Tributary to Laurel Creek Mile 6.6, Opposite Rocky River Mile 7.5R, Great Falls Lake, Van Buren County, TN.

Latitude: 35-44-10.5

Longitude: 85-36-23.1

USGS Topographic Map: Welchland, TN

DESCRIPTION: The proposed work consists of the relocation of 792 linear feet of existing streambed and in kind replacement with 841 linear feet of streambed. The existing stream has been determined to be intermittent and is approximately 10' wide and 12" deep. Currently, this waterway has no riparian trees or shrubs. The streambed consists of silt and sand with no benthos detected. The proposed stream would be approximately 11.5' in width and banks would be at a 2:1 slope. Trees would be planted at a 15' center-to-center along the entire length of the proposed channel on both banks. Tree species would be limited to *Quercus palustris*, *Liriodendron tulipifera*, *Cercis canadensis*, *Acer rubrum*, and *Betula nigra*.

In addition to the work identified above, the applicant has requested that the Corps of Engineers verify additional project activities that meet the criteria for authorization under the Nationwide Permit Program [January 15, 2002, Federal Register (Vol. 67, No. 10, pg.2020)]. Activities would involve the discharge of fill material associated with the replacement of an existing bridge.

The decision whether to issue a permit will be based on an evaluation of the probable impacts including cumulative impacts of the activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the work must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the work will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people. In addition, the evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under authority of Section 404(b)(1) of the CWA (40 CFR Part 230). A permit will be granted unless the District Engineer determines that it would be contrary to the public interest.

The Corps of Engineers is soliciting comments from the public; federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

An Environmental Assessment will be prepared by this office prior to a final decision concerning issuance or denial of the requested Department of the Army Permit.

The National Register of Historic Places has been consulted and no properties listed in or eligible for the National Register are known which would be affected by the proposed work. This review constitutes the full extent of cultural resources investigations unless comment to this notice is received documenting that significant sites or properties exist which may be affected by this work, or that adequately documents that a potential exists for the location of significant sites or properties within the permit area. Copies of this notice are being sent to the office of the State Historic Preservation Officer.

Based on available information, the proposed work will not destroy or endanger any federally-listed threatened or endangered species or their critical habitats, as identified under the

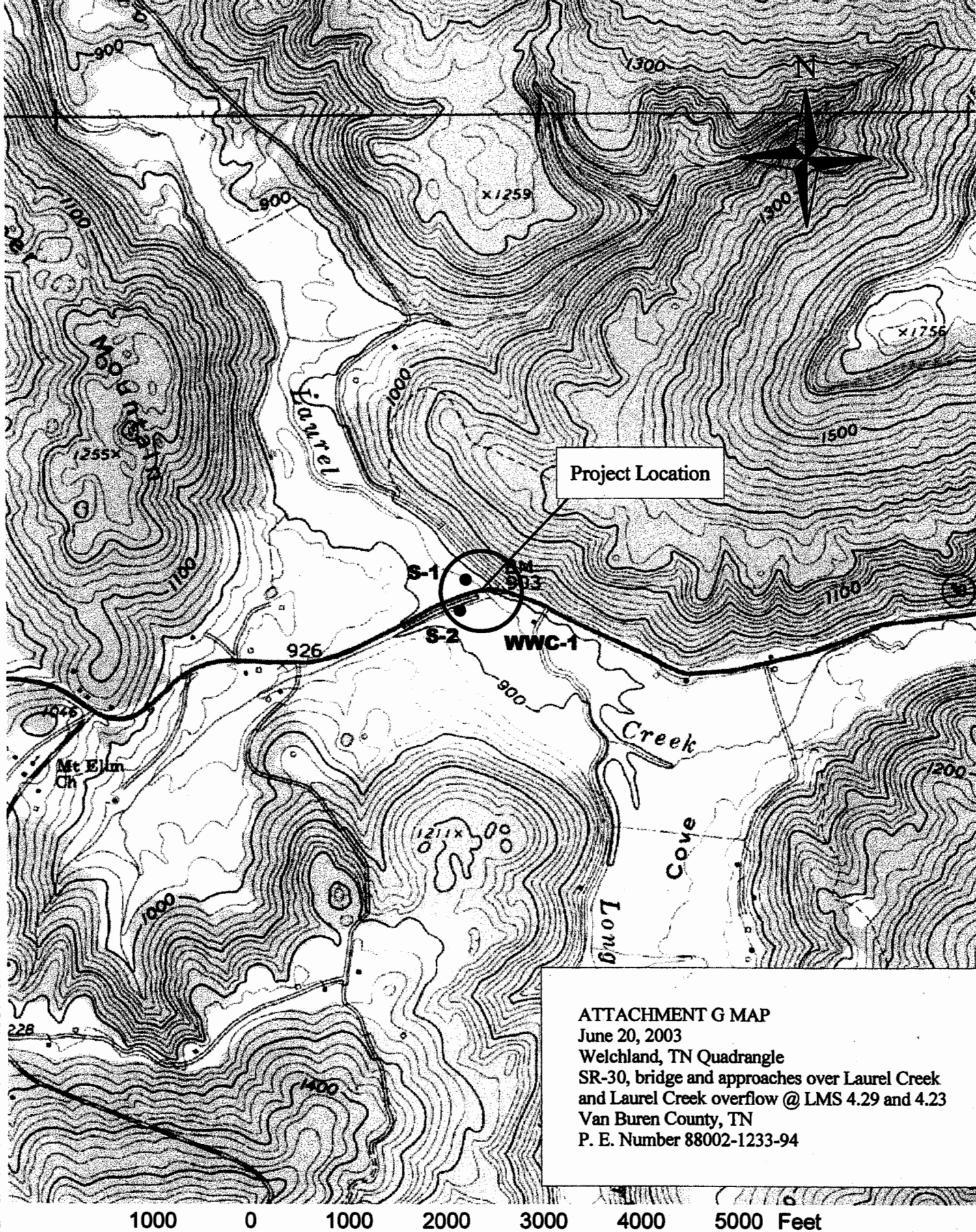
Endangered Species Act, and, therefore, initiation of formal consultation procedures with the U.S. Fish and Wildlife Service is not planned at this time.

Other federal, state, and/or local approvals required for the proposed work are as follows:

- a. Water quality certification from the State of Tennessee, in accordance with Section 401(a)(1) of the Clean Water Act.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

Written statements received in this office on or before September 10, 2004, will become a part of the record and will be considered in the determination. Any response to this notice should be directed to the Regulatory Branch, Attention: Maryellen Farmer at the above address, telephone (615) 369-7517.



ATTACHMENT G MAP

June 20, 2003

Welchland, TN Quadrangle

SR-30, bridge and approaches over Laurel Creek
and Laurel Creek overflow @ LMS 4.29 and 4.23

Van Buren County, TN

P. E. Number 88002-1233-94

FILE NO. 200401207

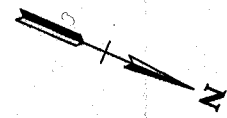
PN NO. 04-50

USGS TOPO MAP:

WELCHLAND, TN

215

220



CR-S2 1.05% 88+30.00
N 510813.4280
E 2110593.2700
EL. 396.67

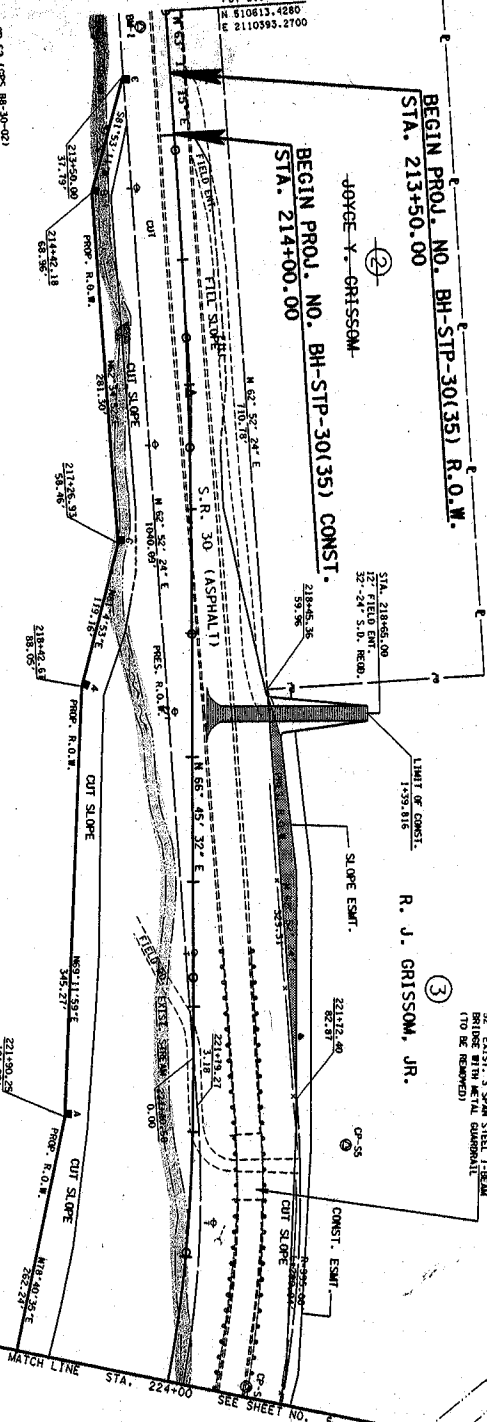
BEGIN PROJ. NO. BH-STP-30(35) R.O.W.
STA. 213+50.00

DOYCE Y. GRISSOM
BEG. PROJ. NO. BH-STP-30(35) CONST.
STA. 214+00.00

52' EXIST. 3 SPAN STEEL I-BEAM
BRIDGE WITH METAL GUARDRAIL
(TO BE REMOVED)
LIMIT OF CONST. 1+39.816
R. J. GRISSOM, JR.

WILLENE HITCHCOCK

CONTROL POINTS					
POINT	STATION	ELEV.	STATION	OFF-SET	
S1	510806.1864	210806.187	396.67	213+11.40	21.44' (Rt)
S2	510599.4518	2110413.106	396.67	213+11.40	21.44' (Rt)
S3	511101.2360	2111174.3560	889.51	222+08.44	121.15' (L)
S4	511103.4360	2111362.4470	904.61	222+08.44	121.15' (L)
S14	510919.4710	2112188.6350	907.53	222+19.08	19.35' (Rt)



TYPE	DATE
R.O.W.	2002
CONST.	2004

REV. 3-31-03, AI
SLOPE ESMT, CM

FILE NO. 200401207

PN NO. 04-50

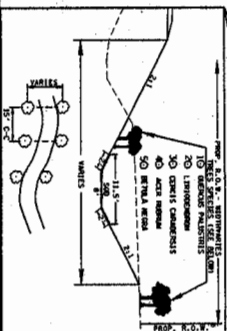
COOPERATIVE VALUES ARE MAINTAINED
AND ARE OBTAINED REQUESTED BY THE
FACILITY L000 & TIED TO THE TERN
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & CONSTRUCTION
PRESENT LAYOUT
STA. 213+00 TO STA. 224+00
SCALE: 1"=50'

215

220

PROP. 2 @ 16'-11" 90° SKEN RGS
OR 1 @ 32'-19" 90° SKEN COMSPAN
ARCH

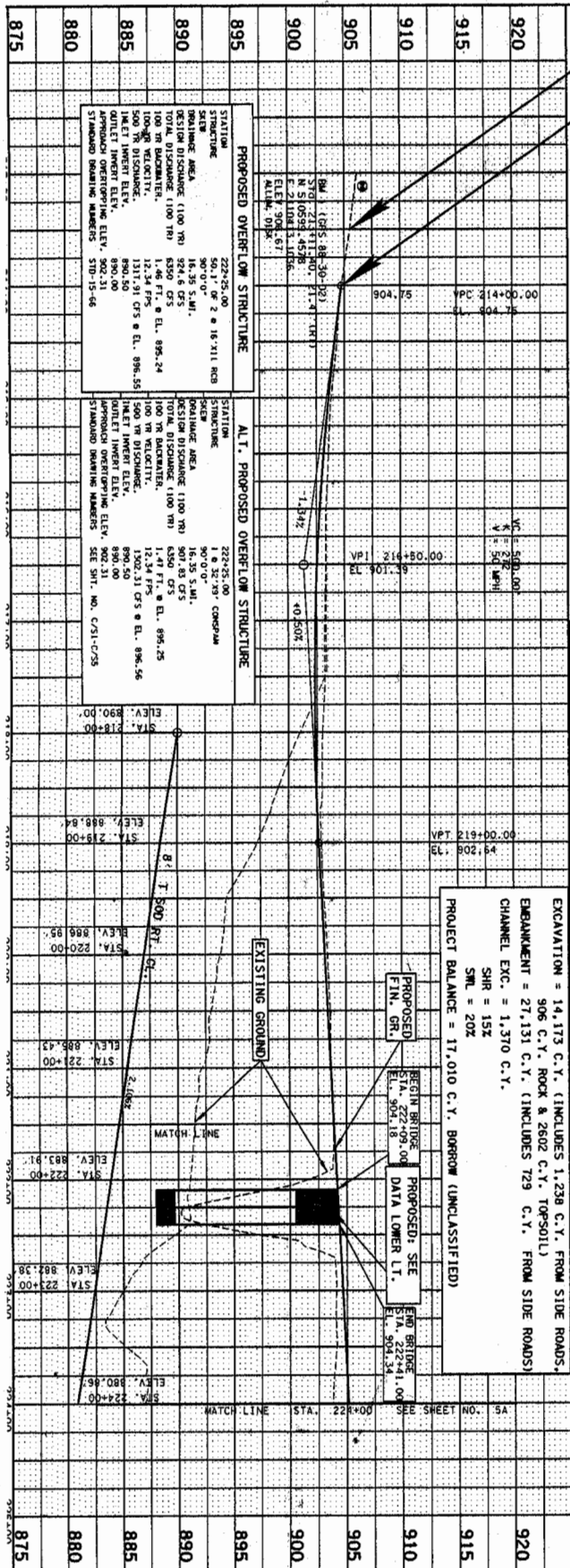
BEGIN PROJ. NO. BH-STP-30(35) R.O.W.
STA. 213+50.00
BEGIN PROJ. NO. BH-STP-30(35) CONST.
STA. 214+00.00



TREES ARE TO BE PLANTED FOR ENTIRE LENGTH OF PROPOSED CHANNEL RELOCATION. TREES ARE AT 15' CENTER-TO-CENTER. NO SUBSTITUTIONS OR ANY OF THE SPECIES WILL BE ACCEPTED WITHOUT WRITTEN PERMISSION. PLANTING AND MAINTENANCE OF PLANTING ARE THE RESPONSIBILITY OF THE CONTRACTOR. PLANTING AND MAINTENANCE OF PLANTING ARE THE RESPONSIBILITY OF THE CONTRACTOR. PLANTING AND MAINTENANCE OF PLANTING ARE THE RESPONSIBILITY OF THE CONTRACTOR.

EXCAVATION = 14,173 C.Y. (INCLUDES 1,238 C.Y. FROM SIDE ROADS.
EMBANKMENT = 27,131 C.Y. (INCLUDES 729 C.Y. FROM SIDE ROADS)
CHANNEL EXC. = 1,370 C.Y.
SHR = 152
SNL = 202
PROJECT BALANCE = 17,010 C.Y. BORROW (UNCLASSIFIED)

PROPOSED: SEE DATA LOWER LT.
FIN. GR. ELEV. 904.18
END BRIDGE STA. 222+41.00
ELEV. 904.18



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & INVESTIGATION
PROPOSED
LAYOUT
AND PROFILE
STA. 213+00 TO STA. 224+00
SCALE: 1"=50' HORIZ.
1"=5' VERT.



R. J. GRISSOM, JR.

3

220

PROP. 2 @ 16'x11' 90° SKEW RCBS
OR 1 @ 32'x9' 90° SKEW CONSPAN
ARCH

PROP. 210', 3 SPAN, 40° CCB

SLOPE ESMT.
PRES. R.O.W.

CONST. ESMT.

CUT SLOPE

EXIST. S.R. 30

PROP. S.R. 30

TYPE 38

PROP. E.T. 500

PROP. R.O.W.

PROP. R.O.W.

PROP. R.O.W.

PROP. R.O.W.

LAUREL CREEK

LAUREL CREEK

APPLICATION BY:
TENNESSEE DEPARTMENT OF TRANSPORTATION
PROJECT No. BH-STP-30(35)
PE # 88002-1233-94 PIN # 100383.00
S.R. 30: BRIDGE AND APPEARANCES OVER
LAUREL CREEK OVERFLOW AT L.M. 4.23
VAN BUREN COUNTY

STREAM RELOCATION
STA 216+00 TO 226+78

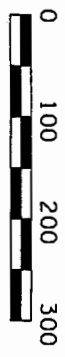
EXISTING STREAM IMPACT 742 L.F.
PROPOSED STREAM 841 L.F.

WILLENE HITCHCOCK

LEGEND

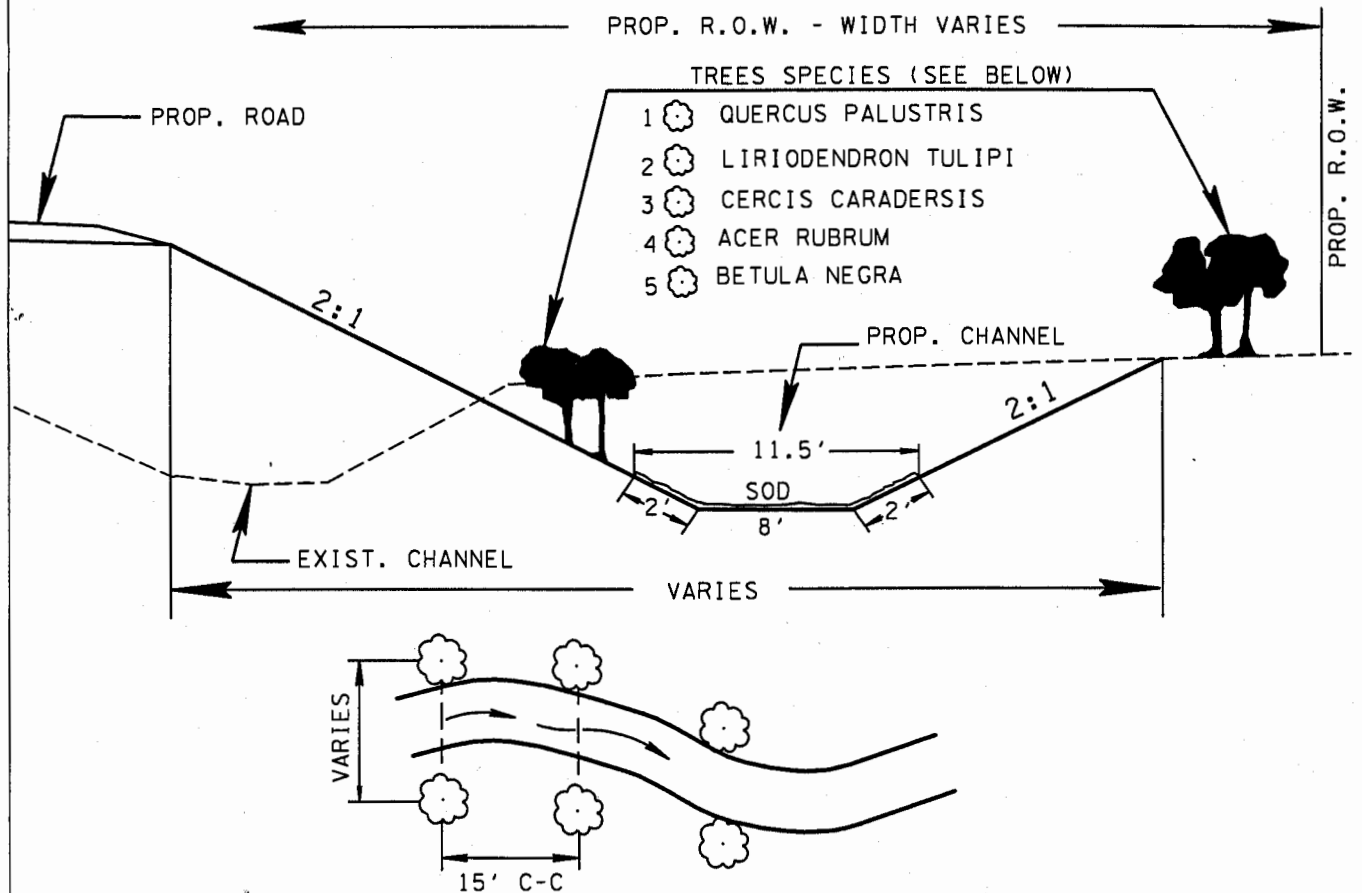
- 1. TREE: QUERCUS PALUSTRIS (1.5'-2" CAL. B&B)
- 2. TREE: LIRIODENDRON TULIP (1.5'-2" CAL. B&B)
- 3. TREE: CERCIS CARADENSIS (1.5'-2" CAL. B&B)
- 4. TREE: ACER RUBRUM (1.5'-2" CAL. B&B)
- 5. TREE: BETULA NEGRA (1.5'-2" CAL. B&B)

PROPOSED PLAN VIEW
SHOWING STREAM RELOCATION



Permit Sketch

MITIGATION LOCATION



ITEM NO.	DESCRIPTION	SIZE	UNIT
802.01-01	TREES (QUERCUS PALUSTRIS)	1.5"-2" CAL. B&B	EACH
802.01-02	LIRIODENDRON TULIPI	1.5"-2" CAL. B&B	EACH
802.01-03	CERCIS CARADERSIS	1.5"-2" CAL. B&B	EACH
802.01-04	ACER RUBRUM	1.5"-2" CAL. B&B	EACH
802.01-05	BETULA NEGRA	1.5"-2" CAL. B&B	EACH

TREES ARE TO BE PLANTED FOR ENTIRE LENGTH OF PROPOSED CHANNEL RELOCATION. ROWS ARE AT 15' CENTER-TO-CENTER. NO SUBSTITUTIONS FOR ANY OF THE SPECIES WILL BE ACCEPTED WITHOUT WRITTEN PERMISSION FROM THE TDOT ENVIRONMENTAL PLANNING AND PERMITS DIVISION. NO CLONES OR CULTIVATE WILL BE ACCEPTED. ANY TREES FOUND TO BE EITHER INCORRECT SPECIES, IMPROPERLY PLANTED, OR WHICH DO NOT SURVIVE, AT ANY TIME PRIOR TO THE TERMINATION OF THE CONTRACT, SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. STAKES AND WIRES WILL BE REMOVED PRIOR TO CONTRACT TERMINATION.

APPLICATION BY:

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 PE # 88002-1233-94 PIN # 100383.00
 S.R. 30: BRIDGE AND APPEARANCES OVER
 LAUREL CREEK OVERFLOW AT L.M. 4.23
 VAN BUREN COUNTY

DATE: 4 / 21 / 2004

REVISED: / /

FILE NO. 200401207

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